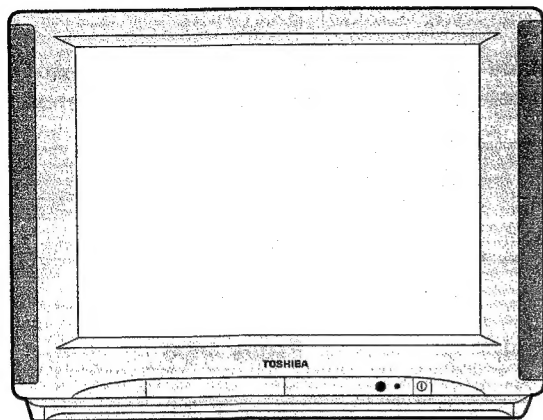


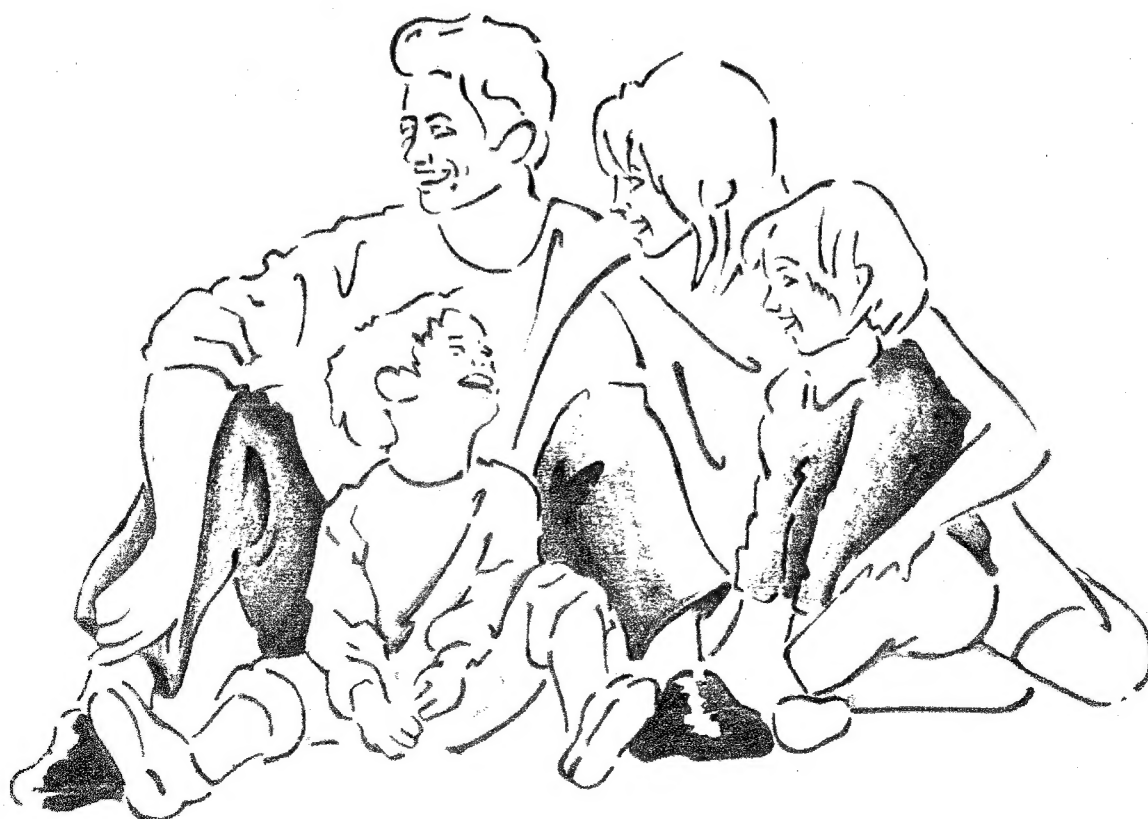
TOSHIBA



Nicam
Colour Television
with fastext

2552DB
2852DB

OWNER'S MANUAL



GETTING STARTED

BASIC OPERATION

SOUND FEATURES

ADDITIONAL FEATURES

VIEWING TEXT

OTHER

Introduction

If you follow the instructions in this booklet your TV will give you many years trouble-free enjoyment. Please read the instructions carefully before you begin using your TV and keep the booklet handy for future reference.

Contents:

GETTING STARTED

Installation	Page 2
Your remote control (Operation and batteries)	Page 3
Tuning in (Switching on, Tuning in, Manual Fine Tune and Skip)	Pages 4/5/6

BASIC OPERATION

Watching TV programmes (Volume, Changing programme positions)	Page 7
Picture adjustment, Sound adjustment	Page 8

SOUND FEATURES

Stereo or bilingual broadcasts (Stereo mode)	Page 9
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ADDITIONAL FEATURES

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Menus (Text and External AV input)	Page 11

VIEWING TEXT

Fasttext (Using fasttext)	Page 12
Normal text (Using text)	Page 13
The text buttons on the remote control (Text)	Page 14

OTHER

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TV Back connections	Page 16
Connecting a satellite receiver and video recorder	Page 17
Connections, Glossary of terms	Page 18
Specifications, Accessories	Page 19
For your guidance (Simple problem solving and Safety tips)	Page 20

Installation:

Positioning your TV

Locate the television where direct sunlight does not impair the picture, soft and indirect lighting is recommended for comfortable viewing.

Avoid locations which are excessively warm, moist or humid to prevent damage to the cabinet and components. Leave enough space around the television to allow adequate ventilation and sound response.

Mains Connection

This equipment will operate on any supply between 220 and 240v AC 50Hz. Never connect to a DC supply or any other power source.

Mains Plug

DO NOT cut off the fused mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance.

This plug is fitted with a 5 amp fuse, and is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be re-fitted.

IF IN DOUBT CONSULT A COMPETENT ELECTRICIAN

Aerial

To get the clearest picture and best text operation we strongly advise that you use either a roof-top or loft mounted aerial. Your local Toshiba dealer will advise you accordingly.

Connecting up

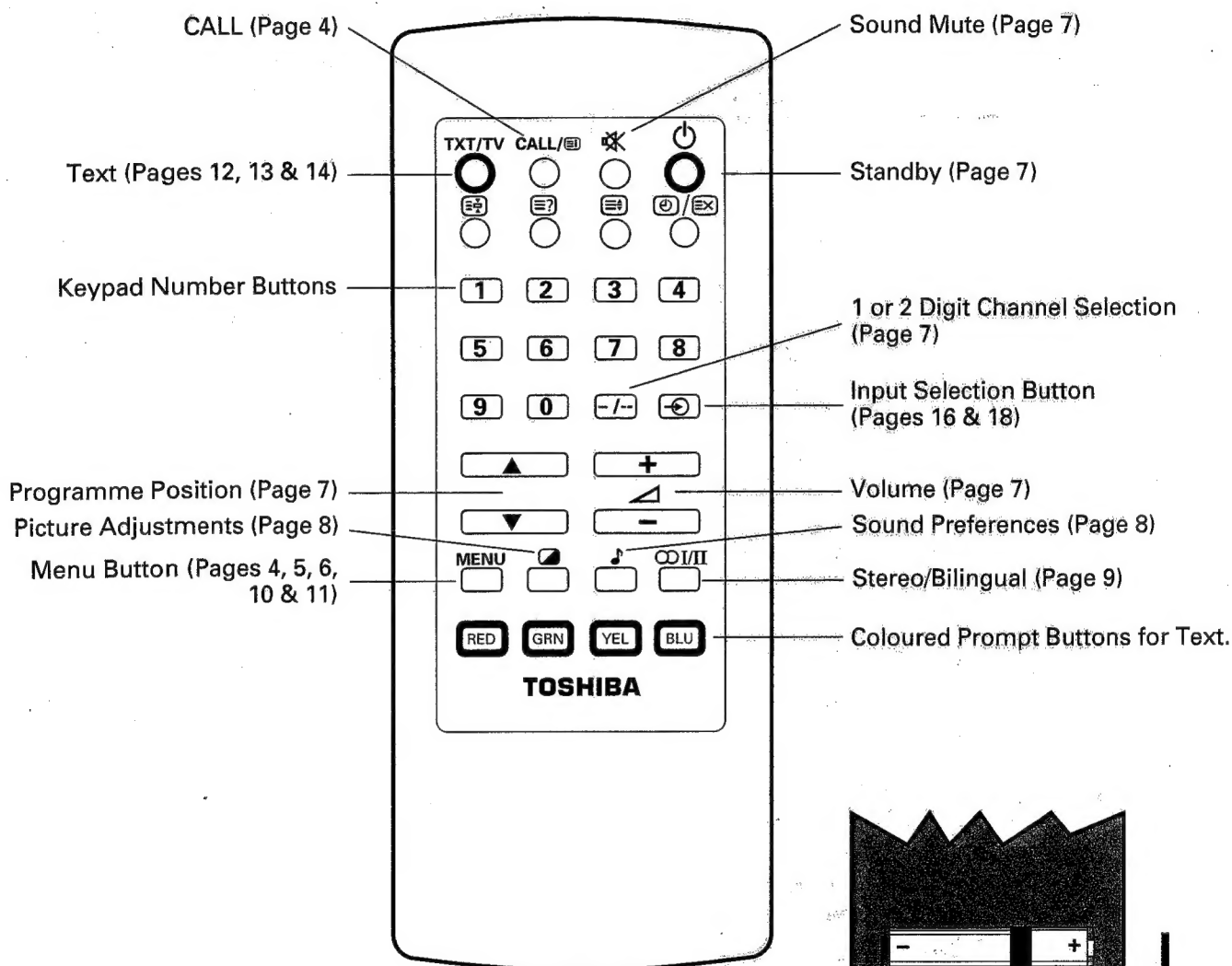
Connect the Aerial plug to the socket on the rear of the television. Connect the mains plug to a suitable power point and switch on.

GETTING STARTED

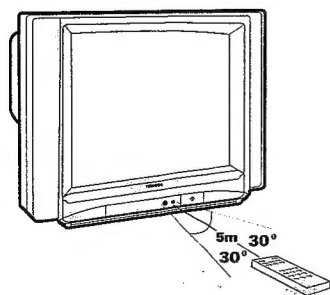
Your remote control

The illustration below is designed to show the areas of the remote control. Individual buttons are described in the text.

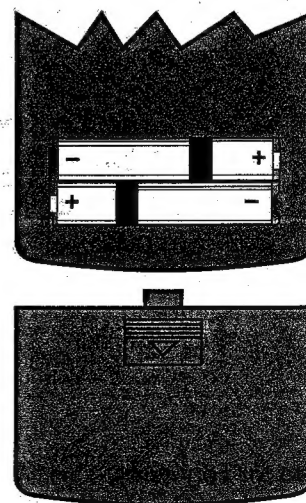
Operation:



Effective Range of the Remote Control



Release the back cover catch of the remote control by pushing in the direction of the arrow. This will reveal the battery compartment. When fitting new batteries take care to observe the correct polarities. All Toshiba batteries are Cadmium and Mercury free. Wherever possible replace with similar batteries. Suitable battery types are: R6, AA.



Caution:

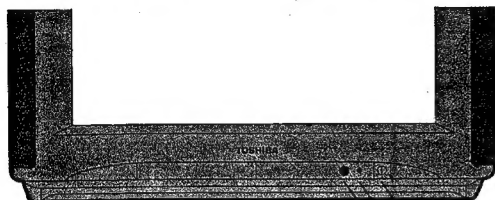
DO NOT throw your batteries into a fire. **ALWAYS** dispose of your batteries in a designated disposal area. **DO NOT** mix battery types. **DO NOT** combine a used old battery with a new one.

60 GETTING STARTED

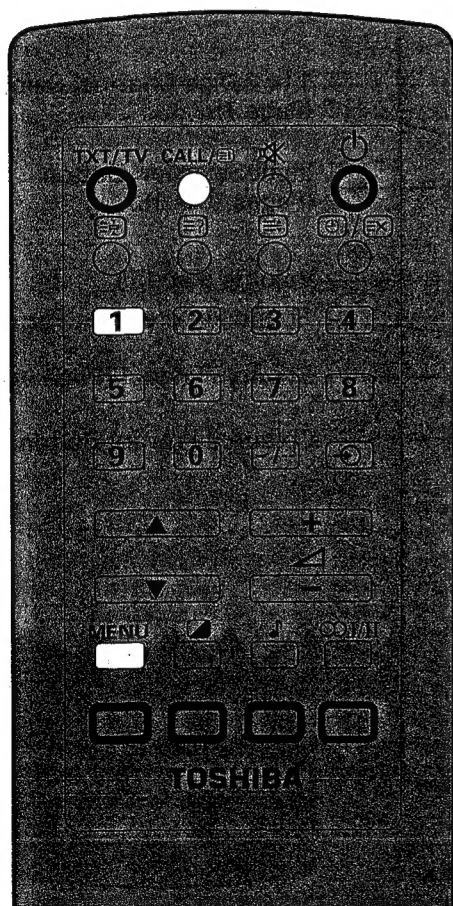
Tuning-in

Due to the complicated map of TV transmitters we are unable to pre-tune your TV. The following simple steps will take you through the process, enabling you to allocate any TV station to any programme position.

Switching on, Tuning in:



On/Off switch
Remote Eye
Power on light



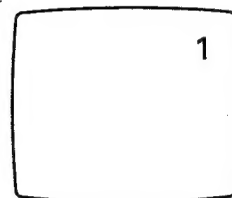
All the displays associated with tuning-in your TV will remain on screen for approximately 15 seconds. To bring a display back simply press the MENU button.

Once you have completed a step, you can cancel any display by pressing the CALL button.

- 1 If the Power-On light is unlit, press the on/off switch on the front of the TV to switch the set into standby mode.

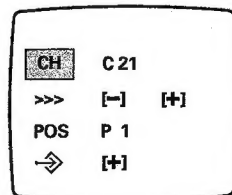
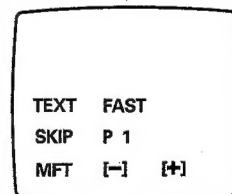
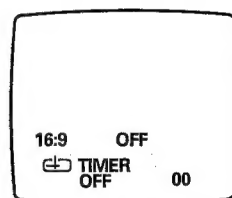
The Power-On red light will glow.

- 2 Press button 1 on the remote control.



- 1 Press the MENU button on the remote control repeatedly to view all the functions available. These are presented by way of screen displays. To go from one function to the next press the MENU button.

The sequence of displays is as shown.



Note: This is the screen you need to tune your TV.

Note for engineers: This TV has direct channel entry if the channel numbers are known.

Select the screen in step 2 on page 5, then enter the appropriate channel number using the remote control. To memorise follow step 5.

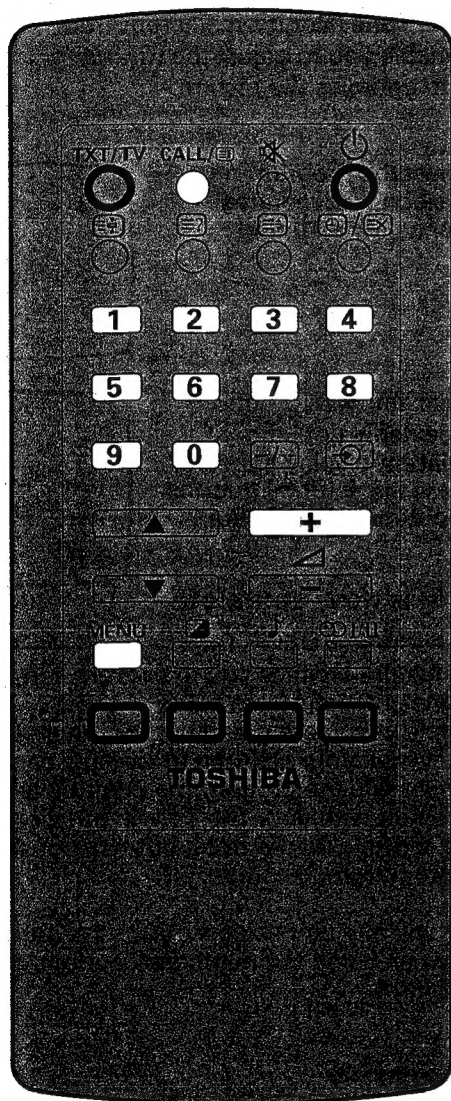
Do not worry if the display disappears, simply pressing the MENU button again recalls the display.

60 GETTING STARTED

Tuning-in

NOTE: If the display disappears, simply press the MENU button to recall the display. To cancel the display press the CALL button.

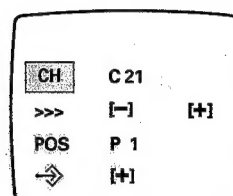
Tuning in:



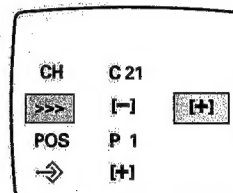
For example: BBC1 on 1
BBC2 on 2
ITV on 3
CH4 on 4

Note: The highlighted function is activated.

- 2** With the adjacent screen display showing, press the MENU button to select the >>> indicator.



- 3** Press the + button and the CH (channel indicator) will show the available channels in ascending order while the TV searches for a station.

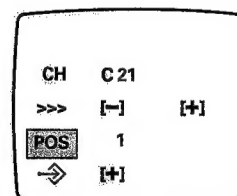


When a station is found, it will be displayed along with the station name. If the picture quality is poor, due to a weak signal, press the + button again to restart the search.

Note: When channel 69 is reached the TV will recommence the search from channel 21.

By pressing the + button again, tuning will commence at the start of the search.

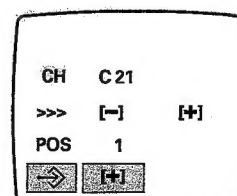
- 4** Press the MENU button once to select POS (Programme Position).



Enter the desired programme position using two numbered buttons on the remote control.

Positions 1 - 9 must be preceded by 0. i.e. 01, 02, 03 etc.

- 5** Now press the MENU button once more to select (Memory Store).



Press the + button to store the programme position.

If you do not use the (Memory Store), the programme position will not be held in memory.

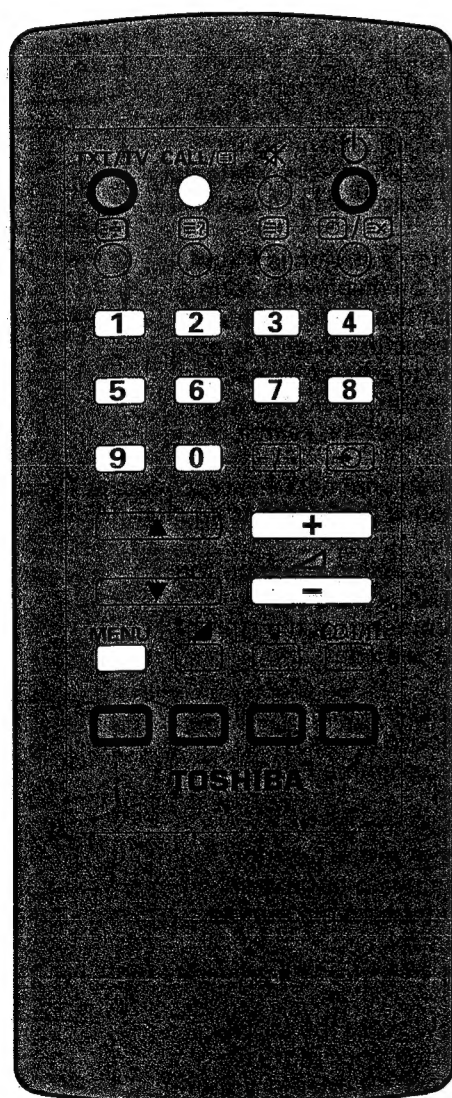
The indicator will revert to CH. Repeat steps 2,3,4 and 5 for all the remaining stations that you wish to tune in.

60 GETTING STARTED

Tuning-in

NOTE: If the display disappears, simply press the MENU button to recall the display. To cancel the display press the CALL button.

Manual Fine Tune, Skip:

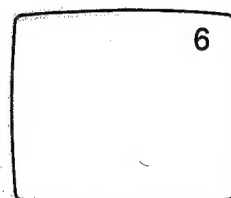


Note: To tune your television to receive from a satellite receiver or video recorder, connected via the aerial lead, refer to page 17.

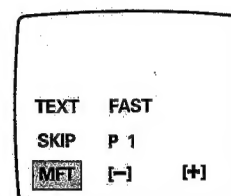
Manual Fine Tune (Not normally required)

This will enable you to adjust the tuning manually to optimise the picture.

- 1 Select the Programme Position that requires Manual Fine Tuning.



- 2 Press the MENU button repeatedly until the adjacent display appears. Press the + (or -) buttons to optimise the picture.

**Tuning in is now complete**

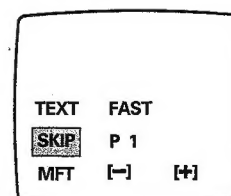
The Skip feature enables you to prevent certain programme positions from being viewed. For example, if you are going out for the evening and you do not wish your children to watch a certain film etc., you can skip the programme position and take the remote control with you. The TV will function normally, using the controls on the front, but will not show the skipped programme position.

Note: A * will appear beside a skipped programme position when using the numbered buttons on the remote control.

To skip a channel

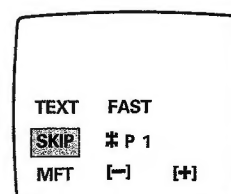
(Repeat for all programme positions to be skipped)

- 1 To turn the SKIP function on or off, use the remote control to select the programme position number to be changed.



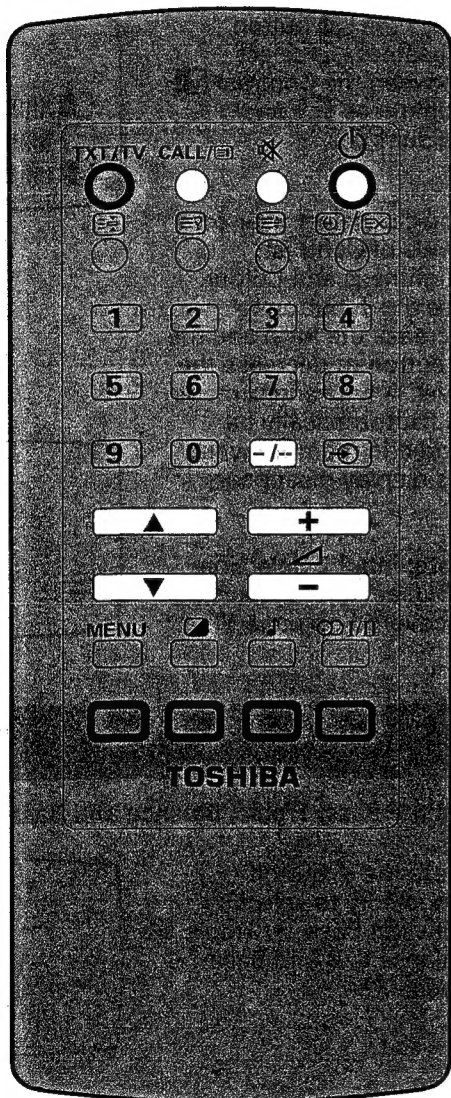
- 2 Press the MENU button repeatedly until the adjacent display appears.

Press the + button to turn the SKIP function on or off.




Watching TV programmes

Volume settings, changing programme positions using the remote control:




Standby Button

This allows you to put the set into standby mode when leaving the TV unattended for short periods of time. The Power-On red light will continue to glow. To return to TV mode press the  button, or any of the numbered buttons on the remote control.



NOTE: To identify the current programme position press the CALL button. Press again to cancel the display.

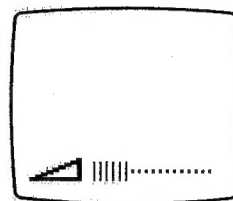
To alter the volume

- 1 To raise or lower the volume press the  + or - buttons.

The display will show the changes.

Alternatively:

The sound can be muted simply by pressing the  button. Press again to restore the sound, the  symbol will disappear.





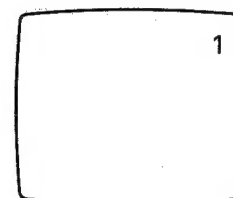
To change programme position


- 1 To select a programme position press one of the numbered buttons.

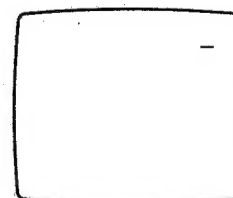
The programme position will be displayed in the top right corner of the screen.


Alternatively:

You can change the programme position by using the  button to increase by one or the  button to reduce by one.



- 2 For programme positions below 10, press the  button to select -. Enter the desired programme position number using the numbered buttons on the remote control.

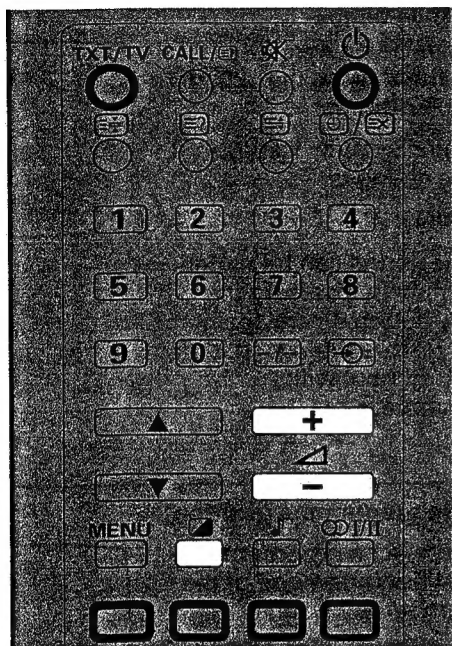


- 3 For programme positions above 9, press the  button to select --. Enter the desired 2 digit programme position number (10-99).



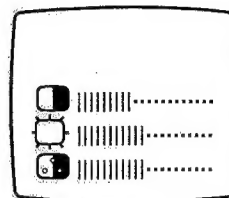
Picture and sound adjustment

Picture adjustment using the remote control:



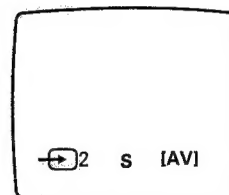
To adjust the Contrast, Brightness, Colour

- 1 Press the button repeatedly to select between the Contrast , Brightness and Colour .

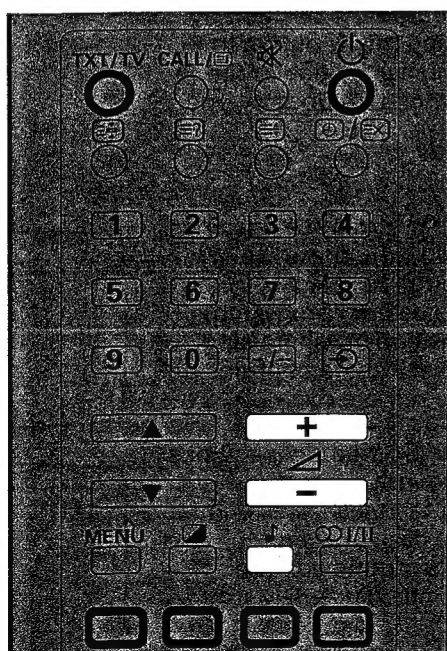


- 2 You can select your own levels of Contrast, Brightness and Colour. Use the + button to increase the level and the - button to decrease the level. Any changes made will automatically be stored in memory when the display disappears.

Note: Input 2 Selection 2 (see adjacent screen) is covered on page 11.

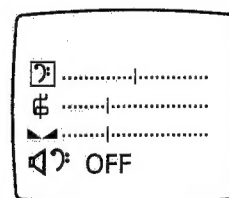


Sound adjustment using the remote control:



To adjust the Bass, Treble, Balance and Bass Boost

- 1 Press the button repeatedly to select between Bass , Treble , Balance and Bass Boost .



- 2 To adjust the levels of Bass , Treble , Balance use the + and - buttons. Press the + button to switch the Bass Boost on or off. Any changes made will automatically be stored in memory when the display disappears.

The 'Bass Boost' feature will enhance the sound quality of any broadcast.

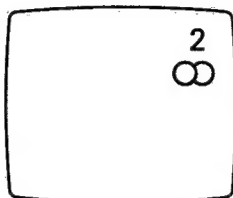
Bass Boost increases the depth of sound, giving a richer, deeper and fuller tone.

Stereo or bilingual broadcasts

This TV set is designed to receive and automatically select all Nicam transmissions. The following describes the operation and displays which accompany stereo broadcasts. Nicam broadcasts can be in either Stereo or Mono.

Stereo mode:

If Nicam broadcasts are transmitted the ∞ symbol will appear in the upper right corner of the screen, after a few seconds the display will disappear. The display will reappear each time you change programme positions, provided that the broadcast is in Nicam.



Some common problems with Nicam reception:

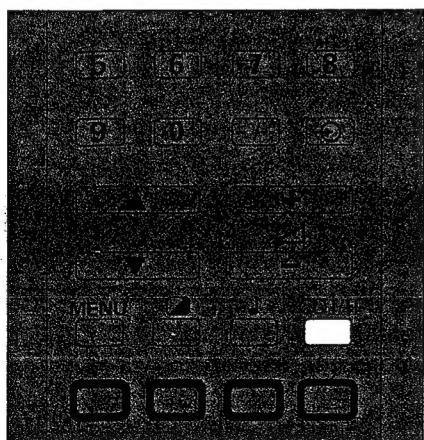
No Nicam ∞ symbol appears:

- 1 It is not a Nicam transmission.
- 2 Your local transmitter has not been upgraded for Nicam.

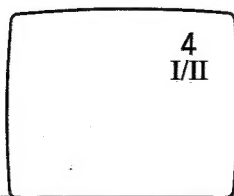
Note: For Nicam information refer to the TV programme magazine or text pages for your area.

Nicam ∞ symbol appears but sound is in Mono

- 1 You have selected Mono (∇) mode.
- 2 The transmission is in Mono.
- 3 The original soundtrack of the film etc. was recorded in Mono.

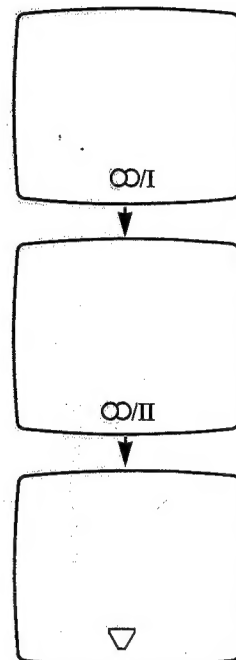


Bilingual transmissions are rare. If bilingual broadcasts are transmitted the I/II symbol will be displayed.



To select stereo/mono mode

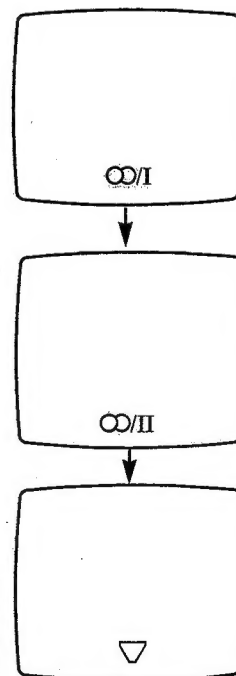
- 1 Press the ∞ I/II button repeatedly, the ∞ I, ∞ /II and ∇ symbols appear alternately in the lower part of the screen.
- 2 Select ∞ I or ∞ /II for Nicam sound, or ∇ for mono. (Non-Nicam signals or areas of poor Nicam reception)



SOUND FEATURES

To select bilingual mode (when transmitted)

- 1 Press the ∞ I/II button repeatedly, the ∞ I, ∞ /II and ∇ symbols appear alternately in the lower part of the screen.
- 2 Select ∞ I for language 1, ∞ /II for language 2 or ∇ for normal mono. (This has the same effect as for language 1).

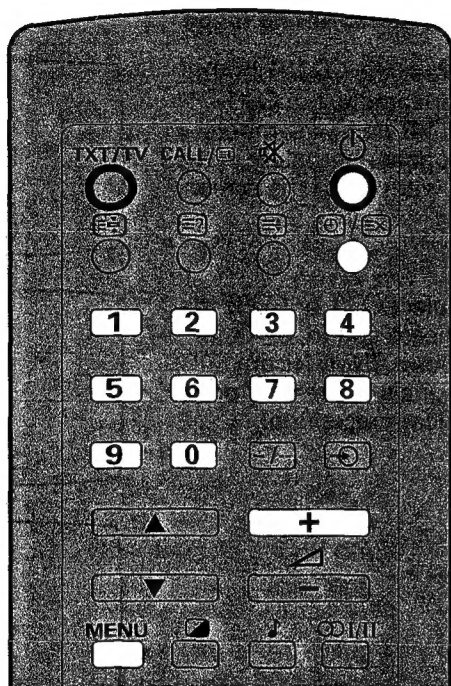


Symbol	Soundtrack	Bilingual
∞ I	Stereo	Language 1
∞ /II	Stereo	Language 2
∇	Mono	Language 1

Time Facilities, 16:9

The Timer is especially useful if you want the television to turn itself to standby after a selected period of time. For example: If you want the set to turn itself to standby in 2½ hours time follow the procedure below.

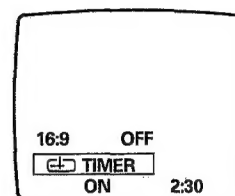
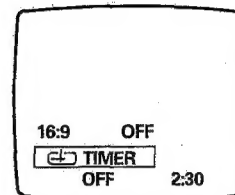
Timer, 'No Signal - Automatic Off', Time display:



This set incorporates a 'No Signal - Automatic Off' feature which will turn the TV to standby approximately 15 minutes after the broadcast station closes down.

To select the Off Timer

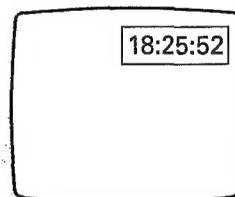
- 1 Press the MENU button to bring up the adjacent display. Press the MENU button to select (Timer).
- 2 Press the + button repeatedly to select between 00 (no OFF time set), 30, 60, 90 and 120 minutes.



Note: After the timer has operated, press either the button or any of the numbered buttons on the remote control to return the set to TV mode.

To select the Time Display

- 1 If you press the button whilst watching a normal TV broadcast, you will see a very accurate time display appear in the top right corner of the screen.
ie 6.25 and 52 seconds p.m.



16:9:

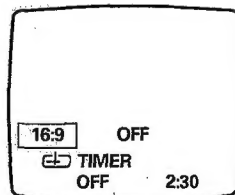
Most feature films are shot in wide screen (16:9) format, which is then compressed at the studio. With the growth of satellite broadcasts, an increasing number of films are broadcast in Wide Screen format.

If you view a Wide Screen broadcast in Normal (4:3) mode, the aspect ratio (height compared to width) will be incorrect.

The aspect ratio of the transmission can be corrected by a feature known as picture compression. When viewing a transmission in this mode the images on the screen are restored to their normal proportions. Black bars will appear at the top and bottom of the screen. **NOTE:** There could be lines present in this area.

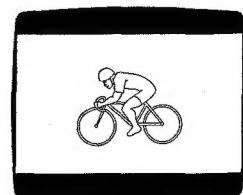
- 1 Press the MENU button repeatedly to bring up the adjacent display.

Press the + button to select 16:9.



By pressing the + button the aspect ratio is altered and the images are restored to their normal proportions.

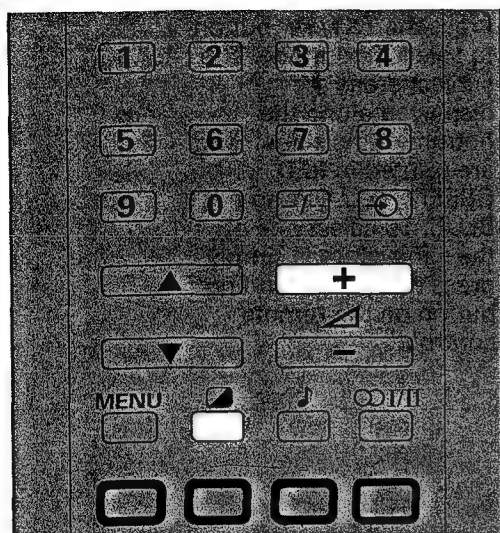
To revert to normal 4:3 format, simply press one of the numbered buttons on the remote control.




MENU's




In addition to the screen displays already discussed, the following pages cover the additional features of your new Toshiba TV.

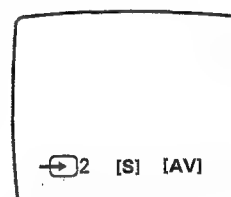
External AV input 2:



External AV Scart 2

 2 enables the selection of the type of video recorder to be connected to the number 2 scart socket. The [S] sets up the television for S-Video, the [AV] sets the television for standard video recorders.

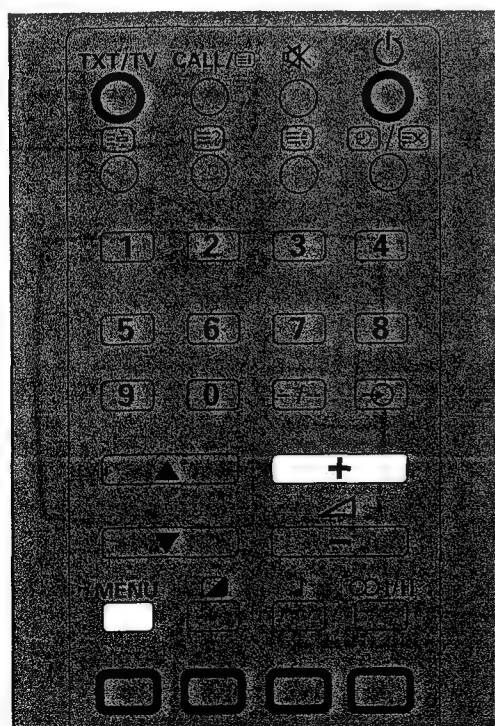
- 1 Press the  button repeatedly to bring up the adjacent display. Press the  + button to select the required input signal for .




Remember: Only connect your S-Video recorder to Scart 2.

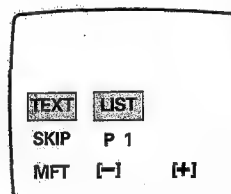
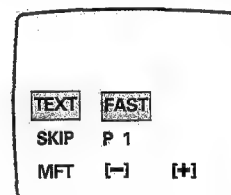
See pages 15, 16 and 17 for connections.

Text:



To select TEXT system

- 1 Press the MENU button repeatedly until the adjacent display appears.
- 2 To change between FAST (Fasttext) and LIST (Normal text) use the  + button. See pages 12-14 for details of TEXT operation.



Fasttext

Fasttext is a method of viewing text pages by related subjects. The subject areas are grouped by the broadcast studio so that different classifications are presented to you. This is done using coloured prompts. There are many different areas covering a wide variety of topics.

Using Fasttext: As selected from the MENU options on page 11

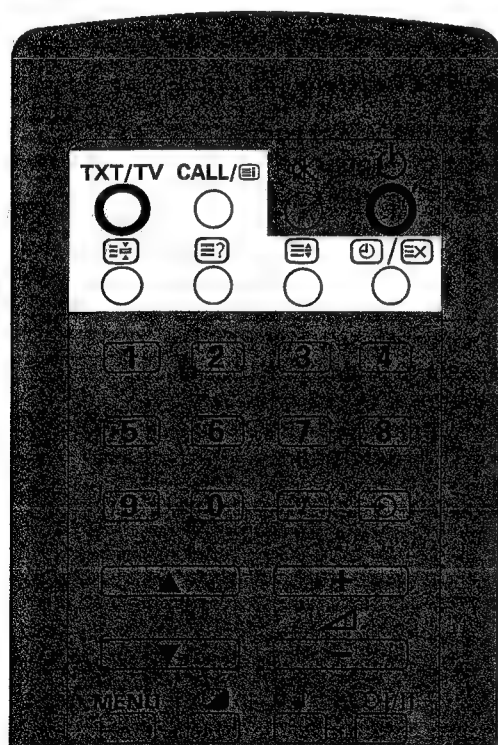
When you first select text you see an index page which briefly outlines the main subject areas and their relevant pages.

To access any given topic press the relevant coloured prompt button.

Alternatively, you can access any text page by simply entering the appropriate 3 digit page number using the numbered buttons on the remote control.

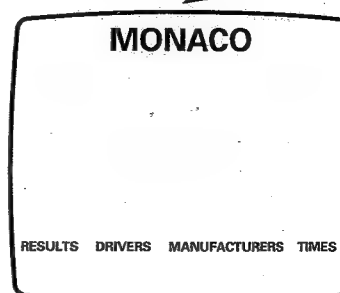
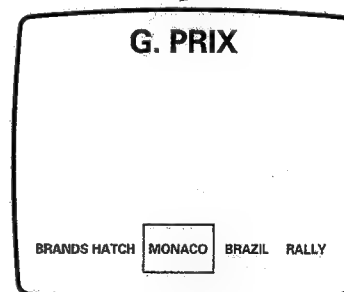
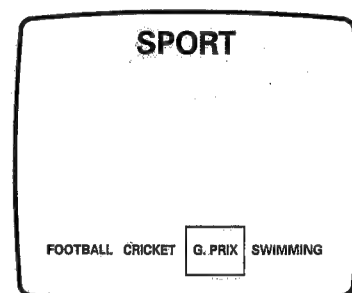
To advance to the next page of text press the ▲ button, to go back to the previous page of text press the ▼ button.

This will enable you to advance throughout the pages without having to enter each 3 digit page number.



Note: If when viewing text, the display is to one side, adjustment can be made using the picture centring control as described on page 16.

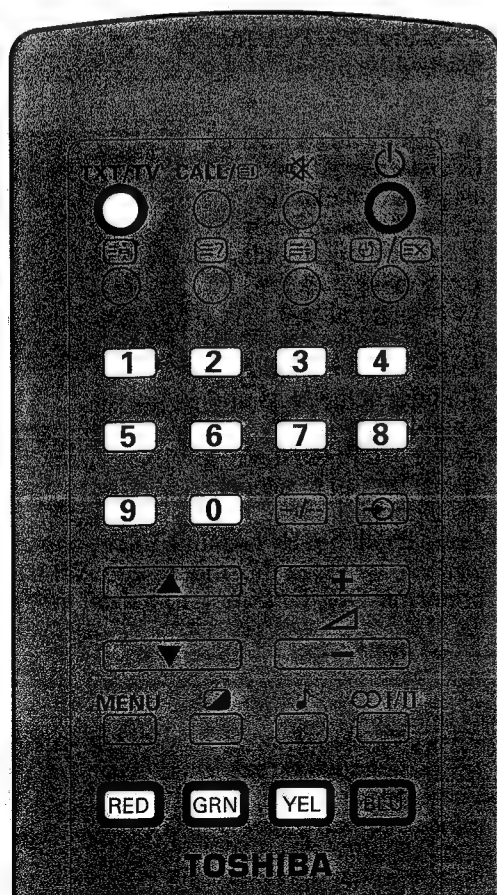
- 1 Press the **TXT/TV** button to select Text mode. The subject areas are displayed along the bottom of the screen and are printed in RED, GREEN, YELLOW and BLUE. To select one of the subject areas simply press the corresponding button on the remote control.



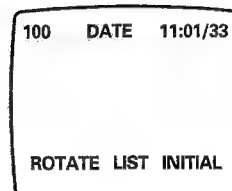
Normal text (LIST mode)

Using Text: As selected from the MENU options on page 11

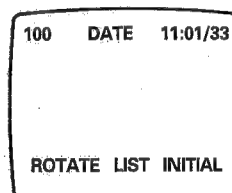
When you first select text you will see an index page which briefly outlines the main subject areas and their relevant page numbers. You can access any text page by simply entering the appropriate 3 digit page number using the numbered buttons on the remote control. A feature of this set is that you can programme up to four of the most frequently used text pages. For example: If you use teletext to see what's on TV you can programme the set to hold these pages in memory. So each day whenever you select text, you will be able to view these pages almost instantly. In addition you can programme the set to display the same page each time you switch the TV on. This could be a complete index page, a horoscope page etc. All of these options are available for each programme position (0-9). For example: You can pre-select an initial page for the teletext service on BBC 1, a different initial page for BBC2 and so on.



- 1 Press the **TXT/TV** button to select text. Enter the required 3 digit page number using the numbered buttons on the remote control.

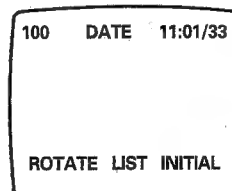


- 2 To programme the set to hold 4 pages in memory. (Programme positions 0-9 other positions only 1 page). Select the **LIST** function by pressing the **GREEN** button on the remote control.

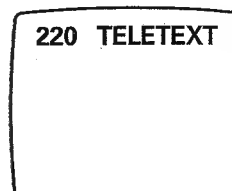
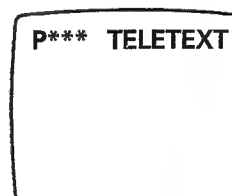


Enter the first page number and then press the **GREEN** prompt button. The page number in the lower right corner of the screen will appear in purple. Repeat for each of the desired 4 pages.

- 3 To view the selected pages press the **RED** button for **ROTATE**.



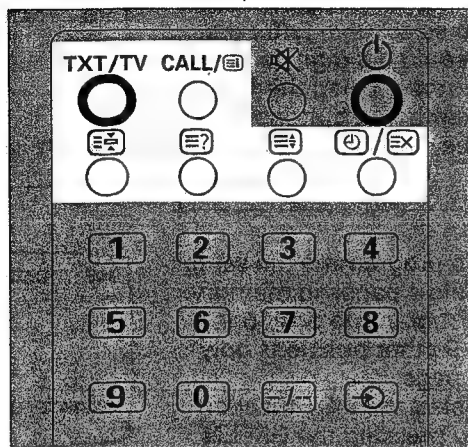
- 4 To pre-programme an initial page. Select the **INITIAL** function by pressing the **YELLOW** coloured button on the remote control unit. The numbers in the top left corner of the screen will appear as **P***** in red. Enter the required 3 digit page number. As you key in the desired initial page, for example Page 220, the numbers will replace the **P*****.



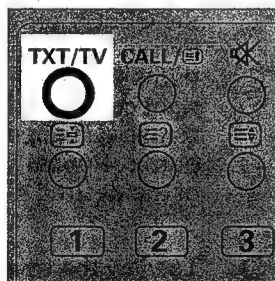
The text buttons on the remote control

Below is an introduction to the text buttons on your remote control and their functions.
Please Note: It is not possible to change programme positions whilst in text mode.

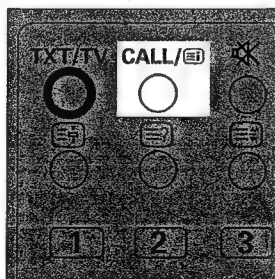
Text:



- 1** **TXT/TV To display a page of text**
Press the **TXT/TV** button to display the initial page. Press again to superimpose the text over a normal broadcast picture. Press again to return to normal TV mode.



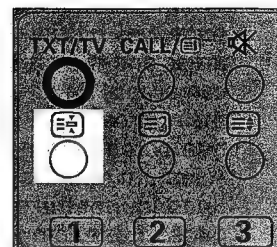
- 2** **To display an index page**
Press the **CALL** button to call up the index page for the subject area you are viewing. If you are viewing a section index, by pressing the **CALL** button again you will see the general index.



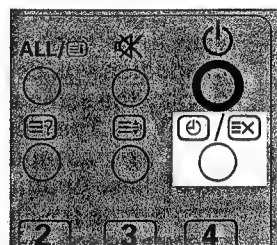
- 3** **To enlarge the text display size**
Press the **ENLARGE** button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.



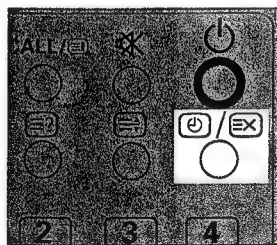
- 4** **To hold a wanted page**
At times it is convenient to hold a page of text. Press the **HOLD** button and the word **HOLD** will appear in the top left of the screen. Press again to release.



- 5** **To select a page whilst viewing a normal picture**
If, whilst in text mode, the **SELECT** button is pressed, a normal picture will be displayed. A page selection can be entered and the TV will indicate its presence by displaying a box with the selected page number. Press the **TXT/TV** button to view the page.



To display news flashes
To view news flashes as they are broadcast, select the news flash page for the particular text service (see the index page of text service). Press the **NEWS** button. The news flashes will be displayed as and when they are broadcast. Press the **NEWS** button to cancel the display.



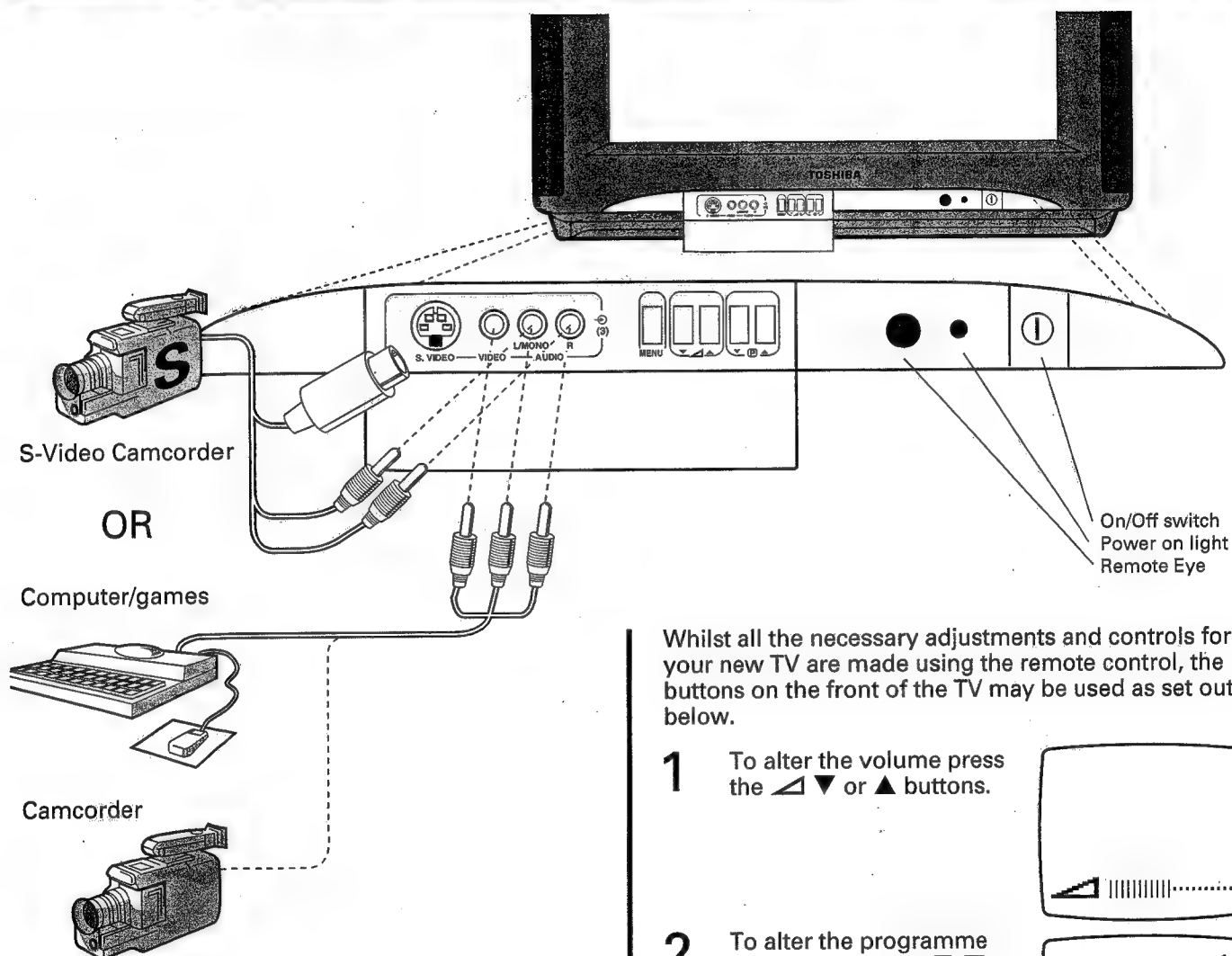
Note: It will not be possible to change programme position whilst in this mode, you will have to press the **TXT/TV** button to cancel the text first.

- 6** **To reveal concealed text**
Some pages cover topics such as quizzes and jokes. To discover the solutions press the **REVEAL** button.



TV Front Connections and Adjustments

For your convenience you can now make connection of camcorders, computer games etc. much more easily. These are accessible through the sockets located behind the flap on the front of the TV set. To open, simply press the top right of the panel.



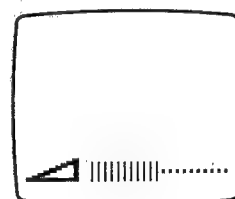
Note: Picture Centring Control.
If when using a computer the display is to one side see page 16.

Automatic switching for S-video

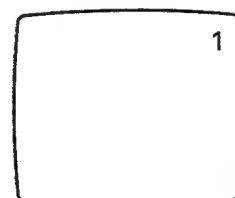
This set incorporates automatic selection for S-video equipment. When any S-video equipment is connected to the front S-video socket, the TV will automatically switch over the S-video.

Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used as set out below.

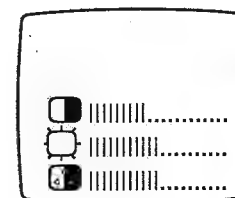
- 1 To alter the volume press the or buttons.



- 2 To alter the programme position press the or buttons.



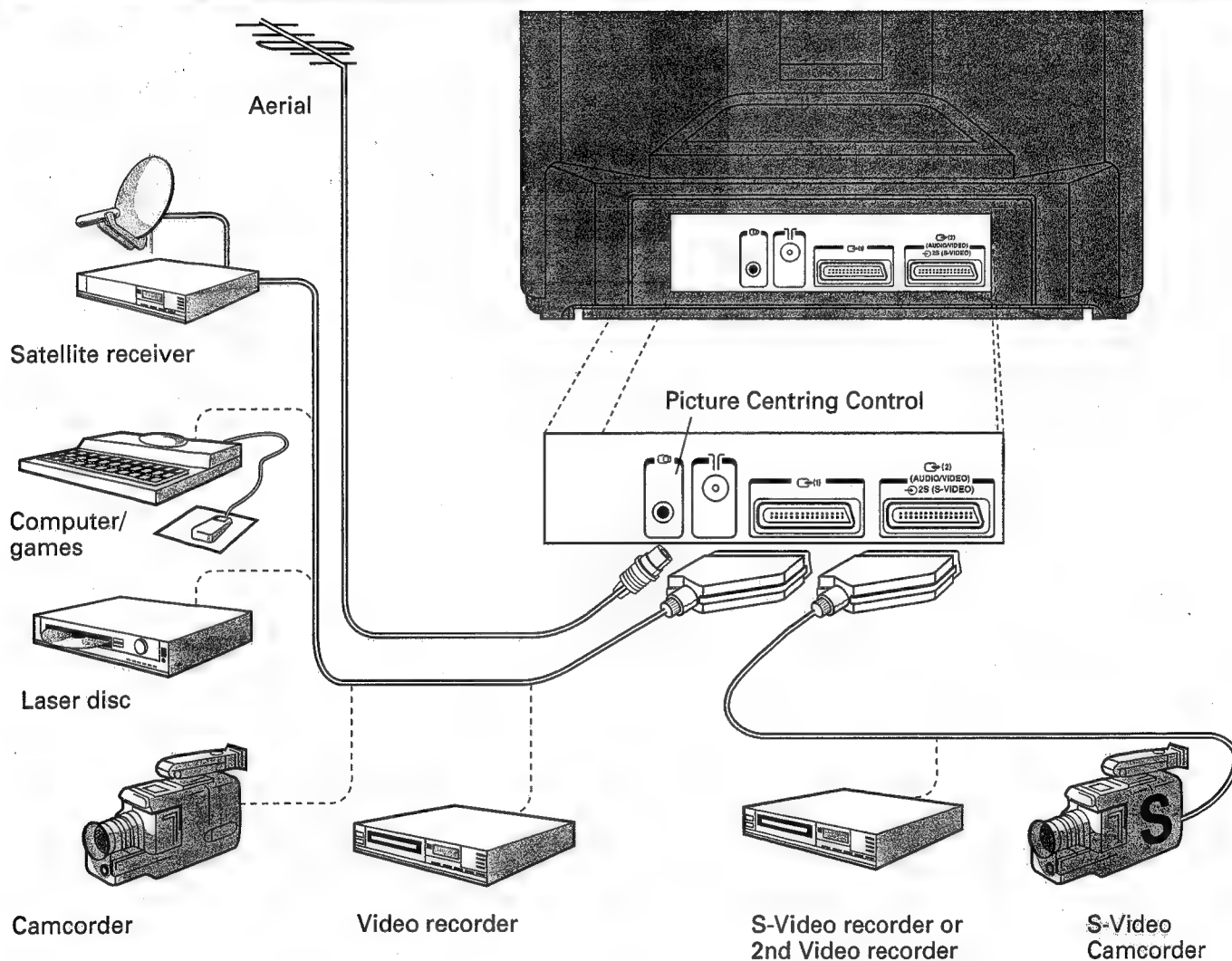
- 1 Pressing the MENU button repeatedly, will enable you to select between Contrast , Brightness and Colour .



- 2 To adjust the levels press the or buttons next to the menu button.

TV Back Connections


The diagram below illustrates some of the possible connections for auxiliary equipment. Please refer to page 17 or the relevant handbook for further details.



Picture Centring Control

The picture centring control is factory set and should need little or no adjustment, however, if when viewing text or using a computer the display is to one side, adjustment to a central position can be made using this control.

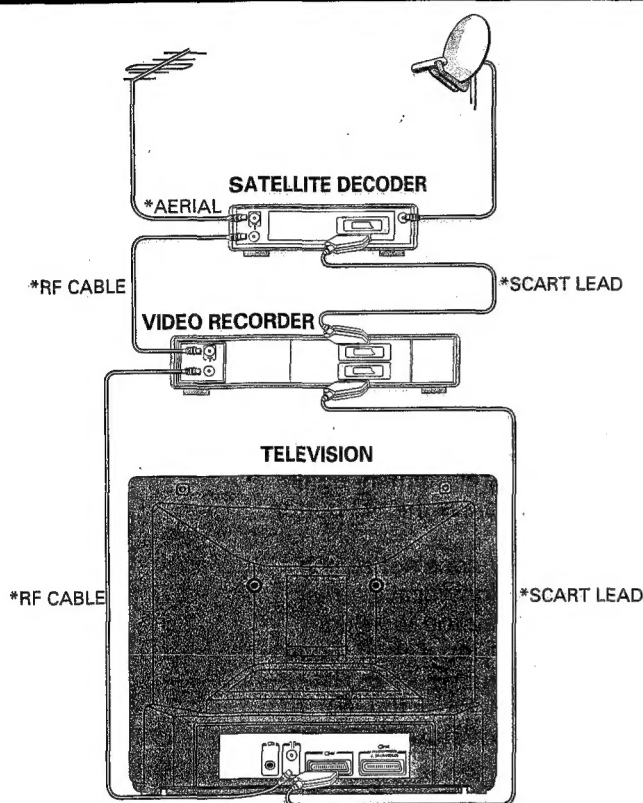
One Shot Memory

When you connect and switch on a Satellite Decoder and/or Video Recorder via a scart lead, you may discover that the TV automatically switches over to give priority to auxiliary equipment. To reset the TV simply press the desired programme position button. To recall the auxiliary equipment, press the .

Connecting satellite receiver/video recorder

Shown on this page are some basic connections for other equipment. If your particular requirements are not shown, please contact your local Toshiba dealer, who will be able to advise you accordingly. For the best results we recommend that you use Scart connectors whenever possible.

Connecting a satellite receiver/video recorder:



To connect your television to a video recorder with 2 scart sockets and to a satellite receiver with 1 scart socket:

- 1 Connect the aerial/R.F. cables as shown.
- 2 Connect the scart leads as shown.
- 3 This configuration will now enable you to record directly from the satellite receiver in stereo (if your equipment has this facility).

* Not supplied with this television.
Full specification Scart leads are required.

If your auxiliary equipment does not have the scart connections as shown, see below or contact your local dealer.

If your satellite receiver has 2 scart sockets and your video recorder has 1 scart socket:

- 1 Connect the aerial/R.F. cables as shown.
- 2 Connect one scart lead from the satellite receiver to the television. Connect another scart lead from the satellite receiver to the video recorder.
- 3 This configuration will now enable you to record directly from the satellite receiver in stereo (if your equipment has this facility).

Alternatively:

If your satellite receiver and your video recorder each have 1 scart socket you will need a switch to record in stereo from the satellite receiver:

- 1 Connect the aerial/R.F. cables as shown.
- 2 Connect the scart leads for both the satellite receiver and video recorder to a switch (for details contact your local Toshiba dealer).
- 3 Connect the switch to your television via a scart lead.
- 4 This configuration will now enable you to record directly from the satellite receiver in stereo, (if your equipment has this facility) whilst watching a terrestrial TV programme.

Connections, Glossary of terms

Connections:

These sets have two 21 pin Scart sockets which enable you to connect a wide range of audio/video equipment (see pages 16 and 17).

If your auxiliary equipment does not have a Scart socket. Connect the video, satellite receiver etc. to the TV via the aerial socket.

To tune your TV to a video recorder/satellite receiver, press the 'Power On' button and either play a pre-recorded tape (on the video recorder) or simply leave the satellite receiver in standby.

Press the MENU button on the remote control repeatedly until the SET UP menu appears. Press the \blacktriangle button to select the >>>. Press the \triangle + button to commence the search.

When the playback or satellite programme is found, assign your chosen programme position(s).

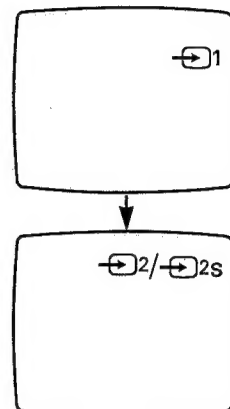
(Full details on tuning in are to be found on pages 4, 5 and 6 of this handbook.)

Automatic Input Selection

1 If any auxiliary equipment is connected to this TV via the scart connector, you may discover that the TV automatically switches over to monitor the equipment. This depends upon the type of auxiliary equipment connected.

To return to TV mode simply press one of the numbered buttons on the remote control. To view the auxiliary equipment again, simply press the \odot button.

If the TV does not switch over automatically, press the \odot button to select between input \odot 1 (Scart 1) or input \odot 2/ \odot 2s (Scart 2). Press the \odot button to return to TV mode.



Glossary:

Euro Connector/ Scart Socket:

A standard 21-pin socket which allows direct audio/visual connection providing higher quality. For example, for direct connection from video recorder or satellite receiver.

Fastext:

An improved text system providing easier and faster access to text pages via colour-coded keys on the remote control.

Nicam:

Nearly Instantaneous Companded Audio Multiplex.
A digital transmission system which gives near CD sound clarity on both stereo and mono soundtracks when received by a Nicam TV or Nicam video recorder.

PAL (Phase Alternate Line):

U.K. broadcast standard.

Programme Position:

The numbered button assigned to a particular station or channel on the remote control.

RF Cable

For direct connection to TV, video recorder and satellite - it looks like an aerial lead.

Size of Screen:

Screen sizes are measured diagonally across the screen and quoted in centimetres.

Standby:

Switches the set to 'Rest' mode to save power over short periods of time.

Specifications and Accessories

Specifications:


Input Power Rating	2552DB 100 Watts 2852DB 105 Watts. AC 220 - 240 Volts 50 Hz.		
Mains Plug 'Fitted' fuse	5 amp		
Aerial Input Impedance	75 ohm unbalanced type for UHF		
Receiving Channels	CCIR (PAL - I) UHF: Channels 21-69		
Programme Positions	100		
Tuning system	Frequency Synthesis		
Intermediate Frequencies	Picture I.F. carrier frequency 39.50 MHz. Sound I.F. carrier frequency 33.50 MHz. Colour sub - carrier frequency 35.07 MHz.		
Stereo	Nicom - I		
Teletext	Fastext (4 page memory positions 0-9, others 1 page) / List		
Picture Tube	2552DB	25 inches A59EAK71X01 or A59ECY13X31 59 cm measured on diagonal of viewable picture 110 degree deflection	
	2852DB	28 inches A66EAK71X01 or A66ECY13X31 66 cm measured on diagonal of viewable picture 110 degree deflection	
Video Input	PAL/PAL 60 Hz. (VIDEO DISK PLAYBACK)		
Aux. Terminals	Input/output.	Scart - 1 (full 21 pin) RGB, AV.	
	Input/output.	Scart - 2 (21 pin) AV. S - video.	
	Front input.	Input - 3 (4 pin S - VHS RCA jack)	Normal/S-Video. Audio.
Sound output (at 10% distortion)	10 + 10 watts (rms)		
Speakers	Full Range.	2 pcs.	2552DB 80 x 120 mm 2852DB 80 x 120 mm.
Cabinet	Table type	Width	640 mm 700 mm
		Height	516 mm 569 mm
		Depth	447 mm 474 mm
Mass	Net	27 Kg.	33 Kg.
Features	Nicom - I.	On screen display.	21 pin Euro connector (full).
	16:9 switch.	Fastext (4 page).	S - video plus AV.
	No signal mute.	Off Timer.	No signal off.
Accessories	1 Remote control 2 (R6, AA) batteries 1 Stand		

For your guidance

If your TV fails to operate correctly, please follow these simple checks before contacting your local Toshiba dealer.

Simple problem solving:

No Picture or Sound.



Check mains switches are on, press .
Plug into a known working mains socket.
'Timer off' facility has operated.

If in doubt, contact a competent electrician.

Poor or no Picture.

Try a different TV station, check your aerial and connections. Adjust fine tuning.

Good picture but no sound.

Press  + or press .

Remote Control does not work.

Check the batteries.

If you have problems with text.

Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Sound not in Stereo.

Check that your local transmitter is Nicam equipped.

Coloured patches on screen.

Caused by magnetic field interference, turn off TV for 10 minutes, turn on again, fault of temporary nature.

VTR or satellite picture in Black and White.

Ensure the correct input socket is being used and that the socket is not switched to S-Video.

Safety tips:

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT. PLEASE READ THE FOLLOWING POINTS CAREFULLY. THEY ARE OF A GENERAL NATURE, INTENDED TO HELP YOU WITH ALL YOUR ELECTRONIC CONSUMER PRODUCTS. SOME ITEMS MAY NOT APPLY TO THE GOODS YOU HAVE JUST PURCHASED. This equipment has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections, including the mains plug, extension leads and inter connections, between pieces of equipment, are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the mains plug when making or changing connections.

DO be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment for example, with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided, according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture. ABOVE ALL - NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case - this could result in a fatal electric shock - NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.

Cleaning the screen and cabinet.

After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

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